



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090082-E

Mode: Highway

Status: Submitted

NC-24

From/Cross Street: US 421/701

Specific Improvement Type: 5 - Construct Roadway on New Location

To: East of SR 1935 (Cecil Odie Road)

Project Category: Statewide Mobility

Length: 14

TIP#: R-2303E

Fully Funded in Draft STIP? No

Cost to NCDOT: \$33,650,000

Description:

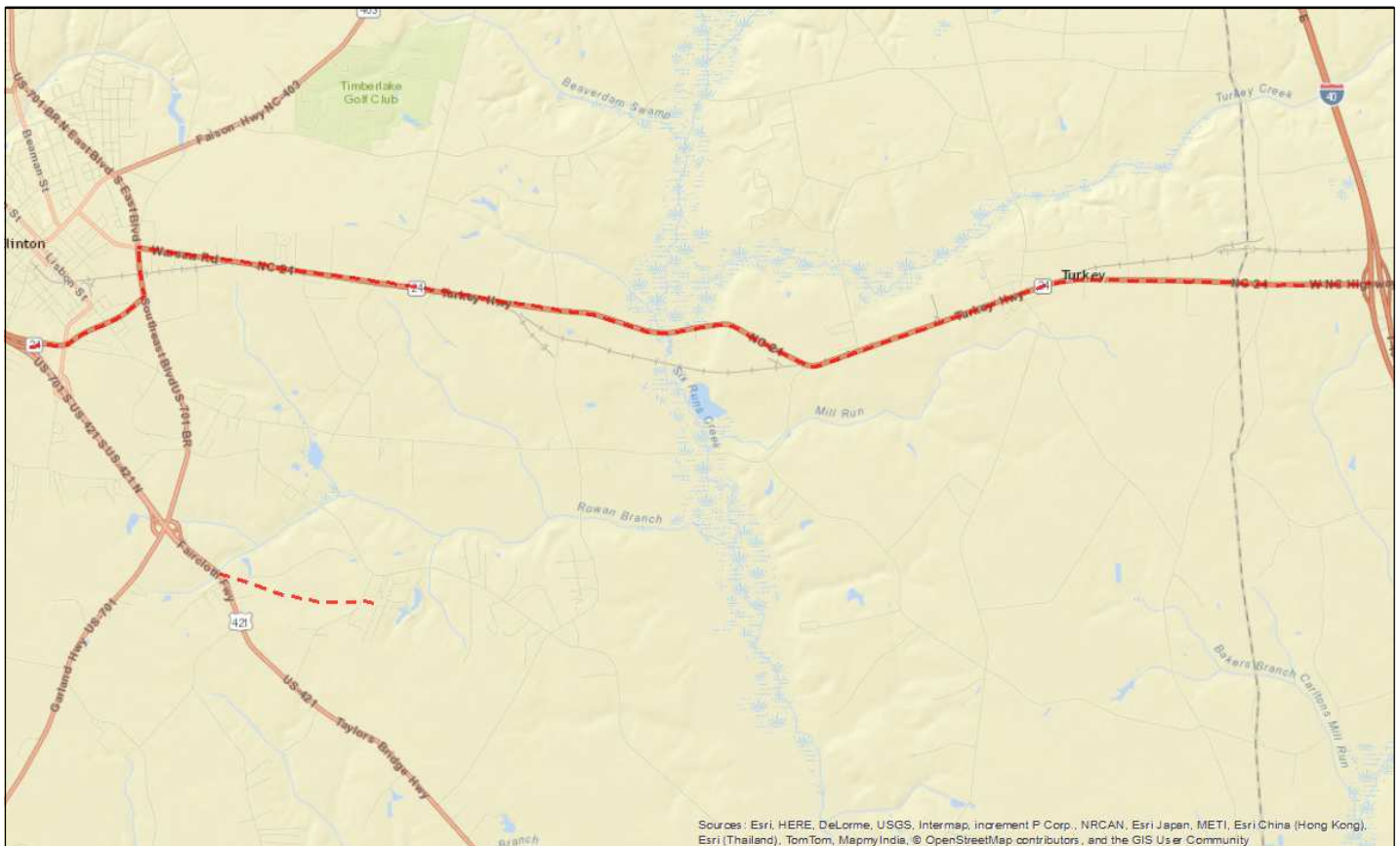
Construct Multi-Lanes on New Location.

Division(s): Division 3

County(s): SAMPSON

MPOS(s)/RPO(s): Mid-Carolina RPO

Project Location



Statewide Mobility Total Score: 22.21

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 32.89 Safety (10%) 67.91 Economic Competitiveness (10%) 17.34 Multimodal + [Freight & Military] (20%) 17.32 [Travel Time] Benefit/Cost (30%) 1.20	N/A	N/A
Totals: Weight: 100% Weighted Score: 22.21		

Regional Impact Total Score: 36.55

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 67.91 Multimodal + [Freight & Military] (25%) 17.32 [Travel Time] Benefit/Cost (20%) 1.20	Percent: 15% Points: 0	Percent: 15% Points: 100
Totals: Weight: 70% Weighted Score: 21.55		

Division Needs Total Score: 46.89

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 32.89 Safety (20%) 67.91 Multimodal + [Freight & Military] (10%) 17.32	Percent: 25% Points: 0	Percent: 25% Points: 100
Totals: Weight: 50% Weighted Score: 21.89		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	52
Length (miles):	15.6
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	8584.98
Capacity:	17488.03
Volume/Capacity Ratio:	0.49
% Autos:	88%
% Trucks:	12%
Truck Volume:	1008.92
Crash Density:	78.33
Crash Severity:	68
Critical Crash Rate:	57.42
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	84
Actual Congested Speed:	44.78
Travel Time Index:	1.15

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	70
Length (miles):	14
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial-Other Freeway
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	7901612.88
Travel Time Savings for 30 Years (Autos):	6972998.58
Travel Time Savings for 30 Years (Trucks):	928614.3
Long-Term Employment:	149
% Change in Economy:	0.00019775
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 3

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Mid-Carolina RPO	100%	100	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	100

Project Cost and Source

Construction Cost:	\$26,400,000	TIP Unit
Right-of-Way Cost:	\$7,250,000	TIP Unit
Utilities Cost:	\$0	TIP Unit
Total Project Cost:	\$33,650,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$33,650,000	